Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/09/2021 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124697	-1	1.21	124588	1.19
Blue	F	SSC	125000	123430	-2	2.37	123770	2.22
Blue	E	FITC	13131	12586	-5	2.18	290	15.99
Blue	D	PE	24112	23688	-2	1.61	544	10.48
Blue	B	PerCP-Cy5-5	31295	30447	-3	3.01	1010	14.64
Blue	A	PE-Cy7	19939	19771	-1	5.09	527	28.45
Red	C	APC	42122	41400	-2	2.95	1737	11.17
Red	A	APC-Cy7	22340	21686	-3	3.25	810	11.65
Violet	B	V450	7410	7067	-5	3.50	427	12.26
Violet	A	V500	28118	26644	-6	3.11	665	9.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23098	0.90	568	-1	N/A	N/A	Pass
Blue	F	SSC	57444	1.11	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0380	80	Pass
Blue	D	PE	115	36.61	488	0	0.4786	369	Pass
Blue	B	PerCP-Cy5-5	188	35.94	584	-2	0.0194	58	Pass
Blue	A	PE-Cy7	105	68.12	627	-1	0.0235	8	Pass
Red	C	APC	402	23.43	576	0	0.0293	187	Pass
Red	A	APC-Cy7	182	26.87	550	-1	0.0062	745	Pass
Violet	B	V450	61	60.89	452	-1	0.0672	2411	Pass
Violet	A	V500	97	35.38	463	-2	0.0269	1098	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.81	-31.63	1.10
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	16.17	13.60 - 20.40	N/A	N/A	30.04	30.17	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15483

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments